



Tennessee Department of Environment and Conservation,
Division of Water Resources
William R. Snodgrass-Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor, Nashville, TN 37243
(615) 532-0625

**CONCENTRATED ANIMAL FEEDING OPERATION (CAFO)
STATE OPERATING PERMIT (SOP)
NOTICE OF INTENT (NOI)**

80PC00045

Type of permit you are requesting: ☐ SOPCD0000 (designed to discharge) ☐ SOPC00000 (no discharge) ☐ Unknown, please advise
Application type: ☐ New Permit ☒ Permit Reissuance ☐ Permit Modification
If this NOI is submitted for Permit Modification or Reissuance provide the existing permit tracking number: _____

OPERATION IDENTIFICATION

| | | | | |
|---|--|-------------------------|---|---|
| Operation Name: | TIM THIEN CHANTHAVONE | | County: | COFFE |
| Operation Location/ Physical Address: | 2393 ASHBURY ROAD MANCHESTER, TN 37355 | | Latitude: | 35°28'03.03"N |
| | | | Longitude: | 86°00'11.88"W |
| Name and distance to nearest receiving water(s): | BLUE SPRING BRANCH 1412' | | | |
| If any other State or Federal Water/Wastewater Permits have been obtained for this site, list those permit numbers: | NONE | | | |
| Animal Type: | <input checked="" type="checkbox"/> Poultry <input type="checkbox"/> Swine <input type="checkbox"/> Dairy <input type="checkbox"/> Beef <input type="checkbox"/> Other _____ | | | |
| Number of Animals: | 113600 | Number of Barns: | 5 | Name of Integrator: TYSON FOODS |
| Type of Animal Waste Management: (check all that apply) | <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Liquid <input type="checkbox"/> Liquid, Closed System (i.e. covered tank, under barn pit, etc.) | | | |
| Attach the NMP | <input checked="" type="checkbox"/> NMP Attached | Attach the closure plan | <input checked="" type="checkbox"/> Closure Plan Attached | Attach a topographic map <input checked="" type="checkbox"/> Map Attached |

PERMITTEE IDENTIFICATION

| | | | | | |
|-------------------------------|-----------------------|--|--|---|---------------------|
| Official Contact (applicant): | TIM THIEN CHANTHAVONE | | | Title or Position: | OWNER |
| Mailing Address: | 2393 ASHBURY ROAD | | | City: | MANCHESTER TN 37355 |
| Phone number(s): | 931-409-3274 | | | State: | TN |
| | | | | Zip: | 37355 |
| | | | | <input type="checkbox"/> Correspondence | |
| | | | | <input type="checkbox"/> Invoice | |
| Optional Contact: | | | | E-mail: | |
| | | | | | |
| Address: | | | | City: | |
| | | | | State: | |
| | | | | Zip: | |
| Phone number(s): | | | | <input type="checkbox"/> Correspondence | |
| | | | | <input type="checkbox"/> Invoice | |
| | | | | E-mail: | |

APPLICATION CERTIFICATION AND SIGNATURE (must be signed in accordance with the requirements of Rule 0400-40-05-.14)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| | | |
|-------------------------------|-----------------|---------|
| Name and title; print or type | Signature | Date |
| TIM THIEN CHANTHAVONE | TIM CHANTHAVONE | 1/26/15 |

| | | | | |
|----------------|---------------------------|--------------------|---------------------|--------------|
| STATE USE ONLY | | | | |
| Received Date | Reviewer | EFO | T & E Aquatic Fauna | Tracking No. |
| | Impaired Receiving Stream | High Quality Water | | NOC Date |

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Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

1. Farmer/ Producer Information

Is **ALL** litter removed from your farm (i.e. you not apply litter on your land)?*

*If the answer is "No," do not complete this form.

| | |
|--------------------------------------|--------------------------|
| <input checked="" type="radio"/> Yes | <input type="radio"/> No |
| Please circle one | |

First Name: TIM THIEN

Last Name: CHANTHAVONE

Farm/ Operation Name: TIM & TINA FARM

Tennessee County: COFFEE

2. Volumes and Calculations

Poultry Type:

| | | |
|--------------------|--------|-------|
| Broiler | Pullet | Layer |
| circle the type(s) | | |

Key

Number of birds per house
A per grow-out: 2-31300
1-21000
2-15000

B Number of Houses:

5

C Number of Grow-Outs / Year:

5

D Average Weight of Litter
Produced (lbs.) / Bird / Grow-
Out (see Table at right or use
your farm average if known)

1607
4000
607

The amount of litter removed from a poultry house will vary depending on the litter moisture content, type and size of birds, and length of time birds are kept in house. Below is a Table summarized from the NRCS Poultry System Calculator V10.0 to assist in placing the litter amount produced per bird and assist in litter calculations.

| Type of Bird | Market/ Mature Weight (lbs) | Avg. Weight of Litter Produced (lbs)/ Bird / Grow-Out |
|--------------|-----------------------------|---|
| Broilers | small (3.8 - 5.8) | 2.1 |
| | large (5.9 - 7+) | 2.4 |
| | 8 - 12 | 8 |
| Pullet | 5.5 | 3 |

Take **Bolded** Letters in Key Column Above and Below to Assist in Calculating Values Below

Number of Birds per Grow-Out = A x B = 113600

Number of Birds Example: If A = 22,000 and B = 2 and C = 5.5 then:
22,000 x 2 = 44,000 number of birds

KEY

E Number of Birds per Year = A x B x C =

568,000

Number of Birds per Year Example: If A = 22,000 and B = 2 and C = 5.5 then:
22,000 x 2 x 5.5 = 242,000 number of birds per year

Total Tons of Litter Produced per Year on the Farm = E x D / 2,000 =

800

Tons of Litter Produced Example: If E = 242,000 and D = 2.1 lbs. then:
242,000 x 2.1 lbs = 508,200 lbs. / 2,000 = 254 Tons

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Nutrient Management Plan - Poultry

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2. Litter Handling and Storage

Litter Storage Capacity

Key Storage Capacity within Poultry Houses (cu ft) No. of Houses
Length of poultry house (ft) X Width of poultry house (ft) X Height of litter (ft) = cubic feet of storage

A Total capacity within poultry barns (cu ft) X number of barns cu ft

Storage Capacity within Litter Sheds (cu ft) No. of Sheds
Length of litter shed (ft) X Width of litter shed (ft) X Height of litter (ft) = cubic feet of storage

B Total capacity within litter storage sheds (cu ft) X number of sheds cu ft

C Storage Capacity of Other Storage Areas, if Applicable (cu ft)

Total Litter Storage Capacity Onsite (A + B + C) cu ft

Litter Contents from Manure Analysis (as is basis)*

* Manure analyses will be performed annually, and the results will be provided to all parties removing litter from my farm or operation.

| Laboratory Name | House | Date of Analysis | Total N | P ₂ O ₅ ^a | K ₂ O ^b | Units |
|-----------------|-------|------------------|---------|--|-------------------------------|----------|
| SEE ATTACHMENT. | | | | | | lbs./Ton |
| | | | | | | lbs./Ton |
| | | | | | | lbs./Ton |
| | | | | | | lbs./Ton |

Attach laboratory results. If a new facility, provide the source of the estimates used.

Notes:

N = Nitrogen

P₂O₅ = Phosphorus Oxide

K₂O = Potassium Oxide

^aIf Phosphorus is expressed in analyses as Phosphorus (P), simply multiple P lbs. X 2.3 to convert to P₂O₅.

^bIf Potassium is expressed in analyses as Potassium (K), simply multiple K lbs. X 1.2 to convert to K₂O.

Mortality Management

Dead birds will be disposed of according to State and local laws in a way that does not adversely affect groundwater or create public health concern. All mortalities will be disposed of using:

| | | | |
|------------|---|------------|--------|
| Composting | <input checked="" type="radio"/> Incineration | Rendering* | Other: |
|------------|---|------------|--------|

*If rendering, include the name and address of renderer.

Closure Plan

In the event that poultry production at this location ceases, the following will be done in 360 days:

- Any litter/ compost currently in storage at the time of closure will be removed and spread elsewhere according to my current NMP.
- All litter in houses will be removed and spread elsewhere according to my current NMP.
- The most current manure analysis performed by an accredited laboratory will be provided to anyone removing litter on my farm.
- Any dead birds in the houses at the time of closure will be disposed of according to my NMP.

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3. Best Management Practices/Conservation Practices

Best Management Practices/Conservation Practices for Production Areas

The following site-specific Best Management Practices (BMPs) and conservation practices will be implemented to minimize environmental impacts in production areas (*please indicate all that apply*). The design and implementation of the BMPs will meet minimum standards set in the NRCS Field Office Practice Standard and/or the NRCS Animal Waste Handbook.

- ☐ Buffer strips/filter strips
 - ☐ Silt fencing, riprap, stone gabions, or other structural erosion control
 - ☒ Maintain roads and heavy traffic areas
 - ☒ Proper manure/litter storage (i.e. under cover, prevents runoff)
 - ☒ Balanced diet/ration to prevent excessive nutrients in manure/litter
 - ☒ Regular inspections and maintenance of structures and equipment
 - ☒ General housekeeping (i.e. cleanup of waste/litter spills during transfers)
 - ☐ Other (*please describe in detail below, or attach additional pages as needed*):
- _____
- _____
- _____

Diversion of Clean Water

I certify that:

- Uncontaminated stormwater runoff shall be diverted away from manure, litter, process wastewater, waste
- Clean water will be diverted, as appropriate, from the production area.
- Please provide a brief explanation/description of how clean water will be diverted below:

KEEP LITTER DRY.

Facility Maintenance

The following maintenance activities will be performed at the facility (*please indicate all that apply*):

- ☒ Regular inspections, maintenance, and repair of structures, equipment, and vehicles
 - ☒ Replacement and upgrade of structures, equipment, and vehicles as needed
 - ☒ Regular training of facility personnel in maintenance/housekeeping techniques
 - ☒ Maintenance of vegetation (i.e. mowing, weeding, seeding)
 - ☐ Other (*please describe in detail below, or attach additional pages as needed*):
- _____

*If your facility has a separate Operation and Maintenance (O&M) Plan, please attach a copy.

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4. Checklist

Use this sheet to help ensure that you have included all required items in order for your CAFO application and Nutrient Management Plan to be approved. Please attach the following items to this worksheet to complete your CAFO permit application.

Forms

- Signed revised Notice of Intent Form
- Signed Declarations to Nutrient Management Plan

Maps

- Full color map of Farm/ Operation Showing the Location of Barns/ Houses, Compost Bins, Litter Storage Bins, Nearby Roads, Streams, Wetlands, etc.
- Full color topographical map of the Farm/ Operation showing property lines and location of poultry houses.

Manure Analysis

- Annual Manure Analysis Performed by an Accredited Laboratory

Mail complete packet to:

Heidi McIntyre-Wilkinson, Environmental Specialist
Ellington Agricultural Center - Holeman Building
Nonpoint Source and CAFO Programs
P.O. Box 40627
Nashville, TN 37204

The completed packet can also be scanned and sent via electronic mail to:
Heidi.McIntyre-Wilkinson@tn.gov

5. Certification

As the owner/operator, I am certifying that I am the decision-maker for this operation. All information included in my CAFO permit application packet is complete and accurate to the best of my knowledge. I understand that I am responsible for the implementation of the NMP and for maintaining all necessary records for the operation.

Signature:

Tim Chantlawn

Date:

1/26/15

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Nutrient Management Plan - Poultry

Keep For Your Records

Names of Persons / Companies Removing Poultry Litter from

Name of Farm / Operation Where Litter Originates

Name: ROSS KINKES
 Address: 755 PETTY BRANCH ROAD COFFEE
DECHERD TN 37324 County
 Phone: 931-409-3274

| Estimated | Date | Tons | Date | Tons | Date | Tons | Date | Tons |
|-----------|---------|------|------|------|------|------|------|------|
| Tons of | 9/25/14 | 800 | | | | | | |
| Litter: | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Name: _____
 Address: _____
 County
 Phone: _____

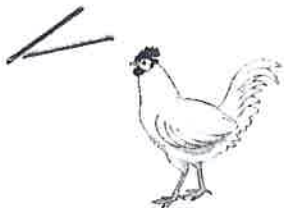
| Estimated | Date | Tons | Date | Tons | Date | Tons | Date | Tons |
|-----------|------|------|------|------|------|------|------|------|
| Tons of | | | | | | | | |
| Litter: | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Name: _____
 Address: _____
 County
 Phone: _____

| Estimated | Date | Tons | Date | Tons | Date | Tons | Date | Tons |
|-----------|------|------|------|------|------|------|------|------|
| Tons of | | | | | | | | |
| Litter: | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Name: _____
 Address: _____
 County
 Phone: _____

| Estimated | Date | Tons | Date | Tons | Date | Tons | Date | Tons |
|-----------|------|------|------|------|------|------|------|------|
| Tons of | | | | | | | | |
| Litter: | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

**CEPS** Central Analytical Laboratory

Report Date: 3/13/2014

Report No: 145743

uark.edu/depts/posc

University of Arkansas

Poultry Science Center L-209

Fayetteville, AR 72701

479-575-6532

| | | |
|--------------------|---------------------------------------|-----------------------|
| Investigator | Tim Chanthavone | CAL Sample ID: 145743 |
| Institution | | |
| Department | | |
| Address | 2393 Ashbury Rd; Manchester, TN 37355 | |
| Customer# | 111958 | |
| Phone# | | |
| Report Description | NPK of Poultry Litter | |

| <u>Sample ID</u> | <u>N</u> lbs/ton | <u>P</u> lbs/ton | <u>K</u> lbs/ton |
|------------------|---------------------|---------------------|---------------------|
| Litter | 79.4 | 27.2 | 54.2 |

Sample was analyzed on an *as-is* basis.

Report Approved:

Linda K. Kirby
Linda K. Kirby3-13-14

Date

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Wind Flow is from NW to SE
 Water Flow is to S
 Nearest water is 1412' to East-Blue Spring Branch
 Nearest neighbors;
 400' W
 300' S
 882' SE
 960' NW
 1685' E

Tim Thien Chanthavone
 Chanthavone Farms
 Coffee County
 Prepared by Daphne D Jenkins
 in cooperation with Coffee County Conservation
 District
 January 30, 2011

Wind Flow

Water flow

Ischerapt

42' X 400'

36' X 330'

50' X 500'

ASBURY RD

ASBURY RD

Asbury Rd

RENCEN RD Rencen Rd

0 0.12 0.25
 miles



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Printed by Farm Works software

Wind Flow is from NW to SE
Water Flow is to S
Nearest water is 1412' to East-Blue Spring Branch
Nearest neighbors;
400' W
300' S
882' SE
960' NW
1685' E

Tim Thien Chanthavone
Chanthavone Farms
Coffee County
Prepared by Daphne D Jenkins
in cooperation with Coffee County Conservation
District
January 30, 2011

Wind Flow

Water flow

Blue Spring Branch

Howard Carr Rd

Asbury Rd

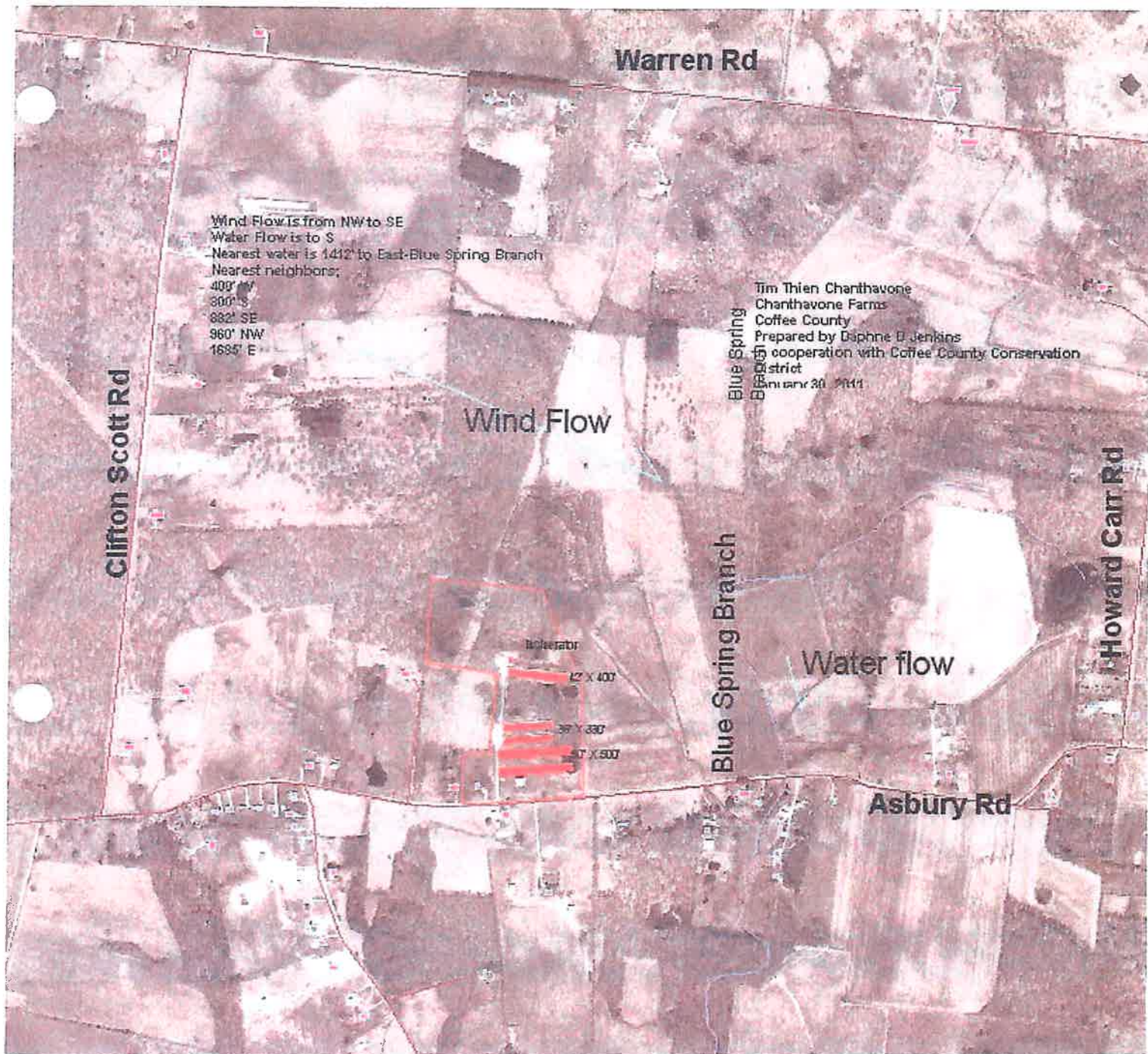
Ransom Rd



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Printed by:
Farm Works Software



0 0.12 0.25
miles



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Printed by:
Farm Works Software

